App F IX 4

Previous References (1941 / Nil)

File No 90-41
Serial Nos 5, 6

Later References

GENERAL AND REVENUE SECRETARIAT.

Serial Nos 2

Part B for November 41

SUBJECT

Check of Trial measurements of City Drainage Scheme, Bangalore.

No. L 3847-9/Rev 90-41-6 Dt 12-11-41

To
The Director of Public Health
" Chief Engineer
" Comptroller
" Mr Comm^r } thro' President
Bangalore

Submitted for approval please.

Asst Steward

Serial No

From the Dr of P Health
No C 81-4 Dt 4-7-41
Requests that the method adopted for recording the final measurements in connection with the Bangalore City Drainage scheme may be approved

Subd- If appd, the file will be sent unofficially to the Chief Engineer for his remarks on the suggestions made by the Dr of P Health

Forwarded with compliments for the Chief Engr in Mysore for favor of remarks

By Order
H Hemachalam
for Lawsey

7-7-41

Returned with compliments

2 It is stated that each length is completely checked by the Assistant Engineer and the Special Officer The nature of the work is not one which admits of being opened up again for purposes of final check measurements, without serious dislocation of traffic and inconvenience The reasons urged by the D P.H being very convincing, his proposal to record final measurements in an abstract form may be accepted as

Serial No

as a special case, as the interest of Government are well safeguarded.

3. It is suggested that the Comptroller may also be consulted in the matter

Chief Engineer of Mysore. 14/7/41

SECY LAW DEPT Lgy 18 JUL 1941 GOVT O MYSORE

Secretary to Government,
Law Department

Hm 2 18/7/41

Forwarded with compliments to the Comptroller for favour of remarks and very early return. By order

Sd/- K.P.U

No No 11/LSG 941-42 21 7 41

Sd/- Thumachalam
Dy Secy to Govt
19/7 Law Deptt

21-7-41
No 7/9d dated 4-8-41

U,O No 111/WAD 1 2-8-1941

Returned with compliments.

Under the circumstances, sanction may as a special case, be given to the final measurements ~~being~~ being recorded in abstracts, as suggested by the Director of Public Health and agreed to by the Chief Engineer, provided that each set of measurements is checked and certified to, both by ~~the~~ the Asst Engineer and the Special Officer, and also carefully audited, in the same manner as final measurements, by the Divisional Accountant.

In addition to the above safeguard it is also necessary that, at any time the measure-

ments

WAD I COMPTROLLER'S OFFICE 1941 44/S&E BANGALORE

U.O. No. 111/WAD 1 2-8-41

Serial No

taken should relate completely to the work done between two manholes. They should not be taken in part Further, a plan of the streets where work is done with the several manholes numbered in serial order should be maintained, if not already done, and reference to the manhole numbers should be given in all measurements in the manner in which furlongs and miles are noted in the case of roads A copy of this plan should be kept with the Divisional Accounts staff to verify the measurements and tick off portions for which measurements have already been taken

M Venkataya Rao
Comptroller

8/8/41

Hm 4/8/41

OFFICE OF THE MINISTER FOR L S G & P H Date 16-8-41 No 974

9/8

Hm 11/8/41

Hm 13/8/41

Hm 25-8-41

DEPT 41 GOVT OF MYSORE
SECY LAW DEPT 9 AUG 1941 GOVT OF MYSORE
FINANCIAL SECY U O No FI & ST 12 AUG 1941
SECY LAW DEPT 27 AUG 1941 GOVT OF MYSORE
13 AUG 1941

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NL File No 90 of 1941 | General and Revenue Secretariat

Serial No 6

To The D. of P. Health
The chief Engineer
The comptroller
The ml Commr, Bcip ~~two Cys~~
RO L 3847-49 Dy 12-11-41
Sanctions ~~the~~ proposal

B

SECY LAW DEPT
5 JULY 1941
GOVT OF MYSORE

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GOVERNMENT OF MYSORE

DEPARTMENT OF PUBLIC HEALTH

P PARTHASARATHY GM S BS Sc
LRCP LRCS DTM DPH
Director of Public Health
Telephone No 2144
Telegram HEALTH

SESHADRI ROAD,

Bangalore (S India) dated July 3, 194

DONoC 81-4
Encl Acc only

MLgo-4-5-4

GEN & REV SECRETARIAT
L S G BRANCH

From

The Director of Public Health
in Mysore, Bangalore

To

The Secretary to Government,
Law Department, Bangalore

S i r,

Bangalore City Drainage Scheme - Final measurements to be recorded

I have the honour to state that the Special Officer, Bangalore City Drainage Division reports that the usual method of taking final measurements as followed in the Public Works Department for roads etc , may not be adopted in respect of the underground drainage work of Bangalore City for the following reasons

(a) The usual items of work connected with underground drainage are

(1) Excavation of trenches for pipe line
(2) Laying pipes and junctions,
(3) refilling the pipe line trench and consolidation
(4) Construction of manholes on cement concrete beds,
(5) Dismantling and reconstructing storm water drains,
(6) Deviation of water supply pipes and electric and and automatic telephone cables

As each length of underground drainage work connecting any two manholes is taken up, all the above conjoint works have to be started once for all and brought to a finish It is not possible to take up excavation of all the lines connecting a number of manholes spread over several areas at one time and then start laying pipes in all the lines, as this would dislocate traffic in important thoroughfares and business centres For this reason only short lengths connecting only two manholes are taken at one time and completed, thus implying that the measurements of each line are first and final

(b) The nature of work is such that it is not possible to rip open lines to take final measurements Each length is therefore checked completely at each stage of execution both by the Asst Engineer and the Special Officer The measurement thus recorded is carefully audited by the Account staff of the Division In view of this fact, the recording of final measurements would merely be a repetition of the measurements already recorded, checked and audited

(c) The measurements of some work cover more than 50 pages which means that for recording the final measurements in detail it would require a number of new measurement books.

In view of the foregoing reasons, the Special Officer proposes to record the final measurements in an abstract form as per specimen form noted below only for quantities already recorded and billed for, detailed measurements however being taken in respect of other quantities if any executed since the date of the previous measurement

Earth Excavation

Bill No I	1500	c yds
" II	2000	"
" III	500	"
Further work done (as per detailed measurements) to be paid for in the final bill	200	"
Total	4200	"
Deduct totals of bills I to III (vide M B pages)	4000	"
Balance	200	"

The abstract measurements will be recorded by the Asst Engineer himself, attested by the Special Officer and finally accepted by the Contractors

I therefore request you to be so good as to obtain and convey approval of Government to the recording of final measurements in respect of Bangalore City Drainage Works in an abstract form as noted above

The Special Officer reports that on receipt of approval of Government arrangements will be made to close the work accounts and to submit C registers in respect of some of the old works which were started years back in the Bureau of Sanitary Engineering

A copy of letter No 1003 dated 16th June 1941 of the Special Officer, Bangalore City Drainage Division in the matter is enclosed for the information of Government

I have the honour to be,

Sir,

Your most obedient servant,

Director of Public Health

Letter No 1003 dated 16th June 1941 from the Special Officer City Drainage Division, Bangalore, to the Director of Public Health in Mysore, Bangalore

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I have the honour to state that some of the major drainage works included in the comprehensive scheme of underground drainage for Bangalore City have been completed and others are nearing completion Final measurements have to be recorded and the contractors' final claims settled in respect of these works The usual method of takingfinal measurements followed in the Public Works Department in respect of roads, buildings, masonry etc , works may not be adopted in respect of the underground drainage works for the reasons noted below

a The usual items of work connected with underground drainage are (1) Excavation of trenches for pipe line,
(2) Laying pipes and junctions,
(3) refilling the pipe line trench & consolidation,
(4) Construction of manholes on cement concrete beds,
(5) Dismantling & reconstructing storm water drains,
(6) Deviation of water supply pipes and Electric and Automatic Telephone cables

As each length of underground drainage work connecting any two manholes is taken up, all the above conjoint works have to be started once for all and brought to a finish It is not possible to take up excavation of all the lines connecting a number of manholes spread over several areas at one time, and then start laying pipes in all the lines This would seriously dislocate traffic in important thorough-fares and business centres, if the trenches should be kept open for a number of days till all the lines are excavated and pipes laid For the above reason only, short lengths . connecting only two manholes are taken at one time and completed, as this will minimise dislocation of traffic and admits of careful supervision This obviously implies that the measurements of each line are first and final

b From the nature of the work, it can be safely inferred that the several items of work done are not susceptible of re-measurement as it is not possible to rip open the lines to take final measurements of excavation and to remeasure the length of the deeply imbeded pipes and to recount the number of junctions fixed Each length will be completely checked at each stage of execution both by the Assistant Engineer and the Special Officer and the

recorded measurements carefully audited by the accounts staff of the division Hence the recording of the final measurements would merely amount to a repetition of the measurements already recorded checked and audited

c Further the measurements of some works cover more than 50 pages and in respect of a few works even two or more books have been used So to record the final measurements in detail would require a number of new books

Therefore it is proposed to record the final measurements in an abstract form as per specimen entry noted below with reference to the quantities already recorded and billed for, detail measurements will however be taken in respect of further quantities if any, executed since the date of the previous measurement

Earthwork excavation

Bill No i	1500 c yds
ii	2000 "
iii	500 "
further work done(as per detailed measurements) to be paid for in the final bill	200 "
Total	4200 "
Deduct totals of bills i to iii (vide M B pages)	4000 "
Balance	200 "

The proposed method, though ostensibly a departure from normal practice of recording final measurements prescribed in the Public Works Code, yet it does not involve any irregularity in as much as the abstract measurements will be recorded by the Assistant Engineer himself, attested by the Special Officer and finally accepted by the contractors I therefore request that approval of Government for the same may kindly be obtained and communicated On receipt of the approval, arrangements will be made to close the work accounts and to submit C Registers in respect of some of the old works which were started years back in the Sanitary Bureau

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"Copy"

G Subramaniam
Director of Public He.

G R S App F VI—G 2]

SUBJECT

Diary No of letter replied to

General and Revenue Secretariat

( )

the *194*

Date of issue 12th Nov 194

Signed by Asst-Ramachandra Rao

May this be—

(i) printed ?

(ii) treated as a standing order ?

(iii) published in the Gazette English Part ?

(iv) translated ?

(v) placed at the disposal of the press ?

(vi) published in the Gazette Kannada Part ?

Section ML

File No 90-41

Serial No 6

Proceedings of the Government of His Highness the Maharaja of Mysore

Read Letter No C 814 Dy 4-7-41 from the Dr of Health, requesting, for the reasons explained, that the present method adopted for recording the final measurements in connection with the Bangalore city Drainage scheme ~~Order thereon No~~ may be approved

2 Lr No 76 Dy 16-7-41 from the Chief Engineer on the subject

3 Lr No 7/Spl Dy 4-8 41 from the Comptroller furnishing his opinion in the matter.

Order, no L3847-49

The suggestions of the Dr of P Health marked the letter appended have been agreed to by the Chief Engineer & the Comptroller. They are approved as a special case with the following observation that each set of measurements is checked and certified to, both by the Asst Engineer and the Special Officer, and also carefully audited, in the same manner as final measurements, by the Divisional Accountant, that in addition to the above safeguard it is also necessary that, at any time, the measurements taken should relate completely to the work done between two manholes, that they should not be taken in part, that a plan of the Street where work is done with the several manholes numbered in serial order should be maintained, if not

List of Enclosures

Copied by

Examined by

G R S App F G 3

GENERAL AND REVENUE SECRETARIAT

(*Continuation sheet draft form*)

already done, and reference to the manhole numbers should be given in all measurements in the mains in which furlongs and miles are noted in the case of roads and that a copy of the plan should be kept with the Divisional Accounts Staff to verify the measurements and tick off portions for which measurements have already been taken

— — Hy — —

— — — — Secy's Dept. —

— — — Law Dept. — —

To the Dr of P. Health

The Chief Engineer — —

— — — The Comptroller

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